



Evolving Mission Capability Acquisition Practices Panel

COL Hugo Keyner
Chief, Capabilities and Acquisition Division
Joint Staff J-8
703-614-9760

2004 PEO/SYSCOM Conference
16 - 17 November

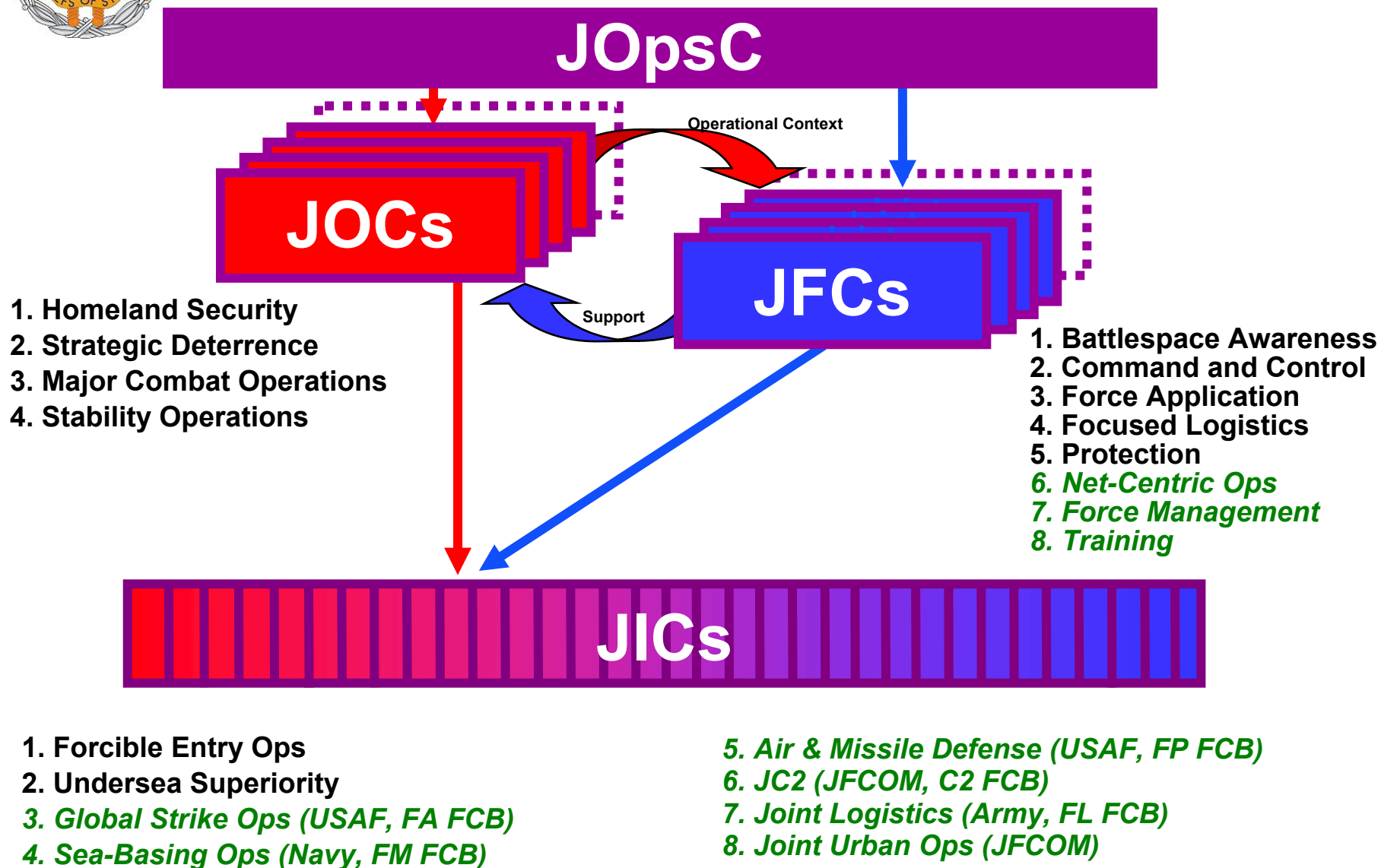


J-8 Perspective

- Joint Concepts
- JROC Capabilities Based Assessment (CBA) Process
- Early engagement w/Functional Capabilities Boards (FCBs)



Current Joint Concepts Status

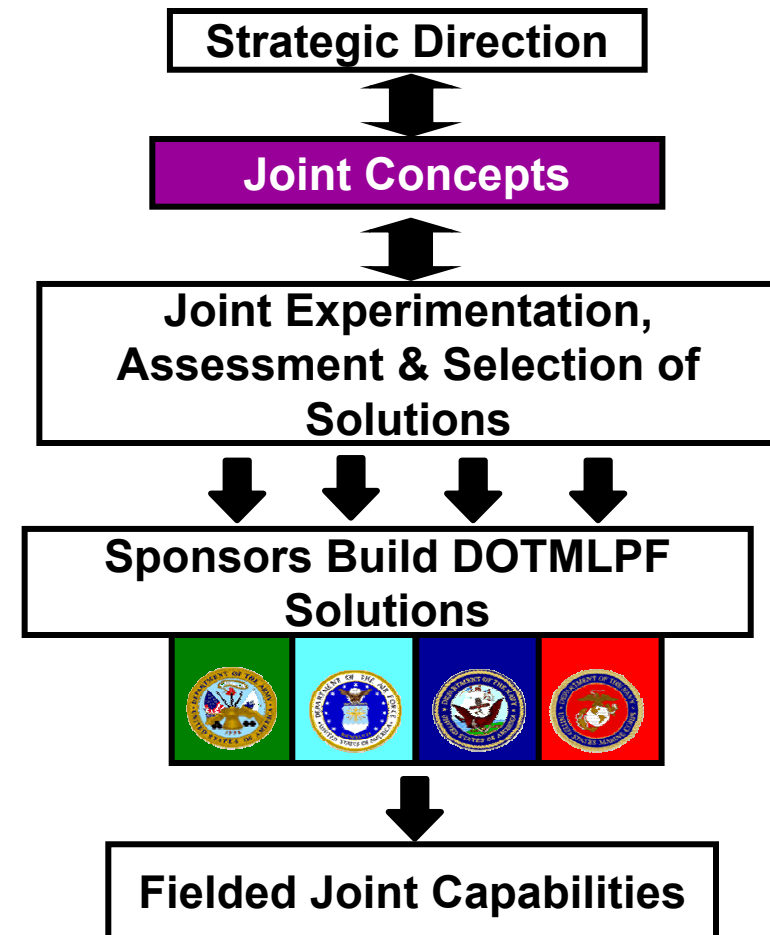




- Overarching concept used in Capabilities-Based Planning
- SecDef direction, formalized by Transformation Planning Guidance
- JOpsC influenced:
 - Service and Joint Concepts
 - Service and Joint Roadmaps
 - JCIDS
 - Experimentation
 - NMS
 - Operational Availability
 - Analytic Agenda

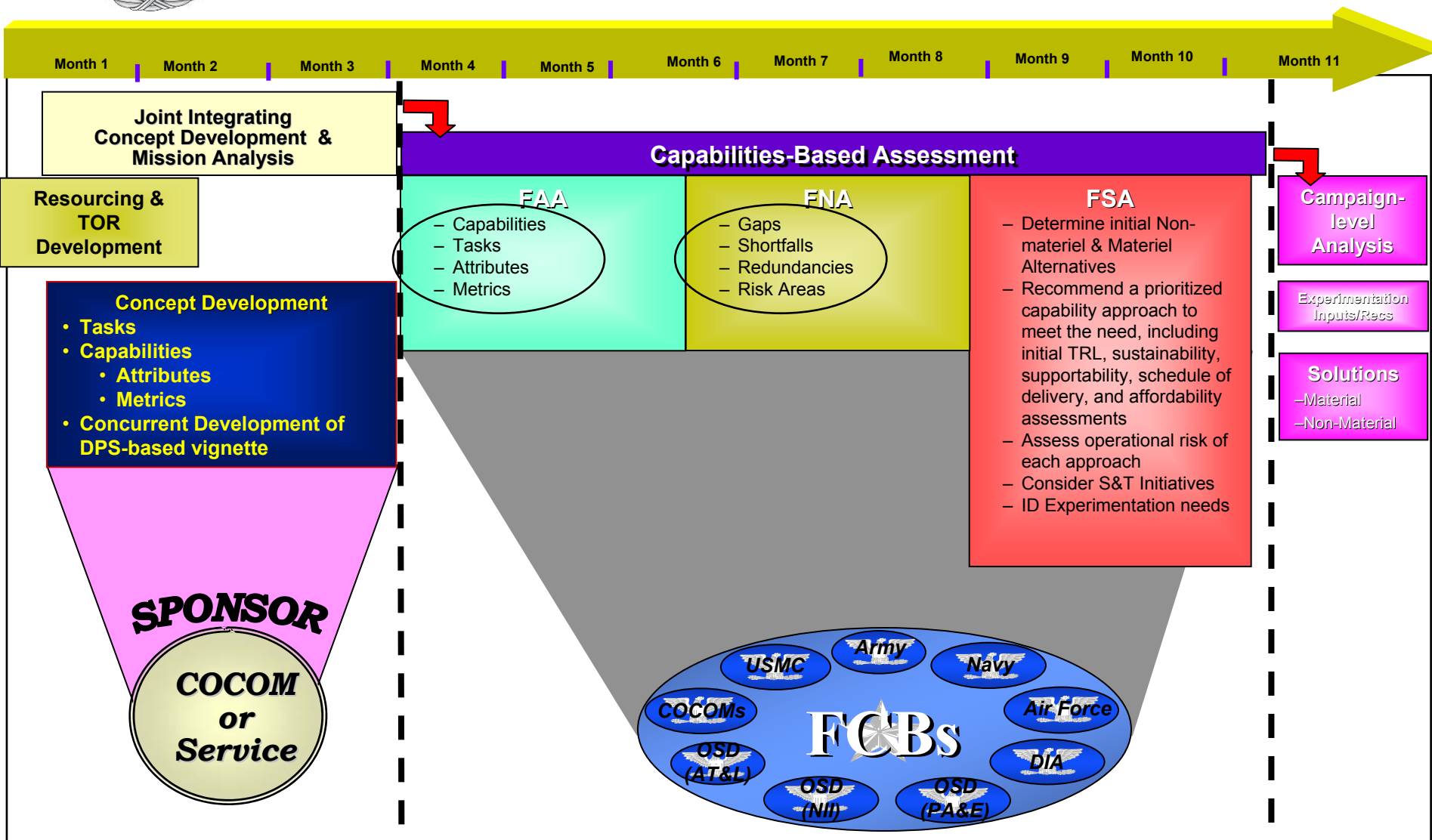
• Message to PEO/PMs

- Systems should relate to the Operational concepts (JOpsC, JOCs, JFCs, JICs)
- A JIC may ID a new application for a system to satisfy capability gap.





The JROC Capabilities Based Assessment Process





Chartered FCBs

JROC:

- * Charters FCBs
- * Directs FCB efforts
- * Identifies the FCB lead

FCBs:

- * Milestone Decision Authority Co-chairs
- * Bring all stakeholders together for common review and issue resolution
- * Prioritize/assess capability gaps and proposals

Command & Control

Maj Gen Simpson
JFCOM J-8

Battlespace Awareness

RDML Murrett
JS J-2

Focused Logistics

RDML Harnitchek
JS J-4

Force Management

Ms Disbrow
(SES)
JS J-8

Force Protection

RADM Mathis
JS J-8

Force Application

Maj Gen Scott
JS J-8

Net-Centric

RADM Brown
JS J-6

Joint Training

Maj Gen Catton
JS J-7
Tri-chair



FCB Portfolios

Command and Control

- **Integrated JBMC2**
 - SFJHQ
 - DJC2
 - JNTC
- **Integrated Joint Fires Capabilities**
- **Advanced C2 Concepts**
 - Effects Based Planning
 - Effects Based Operations
 - Operational Net Assessment
- **Situational Awareness (Red / Blue)**
- **Combat Identification**
- **Collaborative Information Environment**
- **Common Operational Pictures**
- **Adaptive Mission Planning and Rehearsal**

Net Centric

- **GIG Infrastructure & Services**
 - Data Transport & storage
 - Dissemination
 - Info assurance
 - SATCOM,
 - Navigation, broadcast systems
 - Enterprise Services
 - Info management
- **National to Tactical C4 integration**
 - Multinational Info Sharing
 - National & Strategic C2 sharing
 - Horizontal C2 Integration
 - Cross-functional Net-centric Integration
- **Legacy Communications Systems**

BattleSpace Awareness

- **Command and Control of Battlespace Awareness Assets**
 - Synchronize ISR with operations
 - Task, dynamically re-task & monitor assets
- **Execute collection**
 - Persistent Surveillance
 - Cross cue
 - Employ human resources
 - Employ open source resources
 - Measure & monitor environmental conditions
- **Exploit and Analyze**
 - Recognize targets
 - Distribute processing
 - Information fusion
 - Enable analyst collaboration
 - Defeat denial and deception
- **Model, Simulate, Forecast/ Predict**
 - Predictive analysis
 - Integrate adversary & friendly information
- **Manage Knowledge**
 - Smart pull/push information
 - Share plan visibility
 - Content management



FCB Portfolios (cont)

Force Protection

- **Personnel Protection**
 - Anti-terrorism
 - Combat search & rescue
 - Explosive Detection & Defeat (EOD)
 - Insensitive Munitions & ordnance & weapons safety
- **Critical Asset Protection**
 - Aircraft Defensive Systems
 - Ship Defensive systems
 - Electronic Protection
 - Critical Infrastructure Protection
 - COG/COOP
- **Homeland Security**
- **Air & Missile Defense**
 - Ballistic Missile Defense
 - Air & cruise missile defense
 - Interagency Homeland air security
- **Consequence Management**
- **Proliferation Control**
- **CBRN**

Focused Logistics

- **Deployment & Distribution**
 - Joint Deployment Process Owner
 - Unit Movement Systems
- **Mobility**
 - Support Helicopters
 - Cargo Aircraft
 - Sustainment Ships
- **Sustainment**
 - Industrial Base
 - Maintenance Equipment
 - Cargo Parachutes
- **Force Health Protection**
 - Vaccines
 - Medical Equipment
 - Dental Equipment
- **Logistics C2**
 - GCSS
 - In Transit Visibility
- **Operational Engineering**
 - Family of Loaders
 - Engineer Equipment
 - Deployment & Distribution

Force Application

- **Engagement-Kinetic**
 - Conventional Attack
 - Nuclear Attack
 - Close Combat
 - Joint Fire Support
- **Engagement-Non-kinetic**
 - Psychological Operations
 - Electronic Attack/Directed Energy
 - Computer Network Attack
- **Maneuver**
 - Land Combat Operations
 - Maritime Combat Operations
 - Air Combat Operations
 - Space Combat Operations



FCB Portfolios (cont)

Force Management

- Readiness
- Joint Manning
- Global Posture
- AC/RC
- Force Generation
- Command Relationships
- Global Visibility of force structure issues
- Force Management Data Construct
- Building Global Force Management (GFM) capability

Joint Training

- Enterprise-level processes (JTIMS, JEL)
- Policy (JLL, TC AoA)
- People as a resource
- Training (COCOM exercises, JKDDC)
- Education
- Content (JLL)
- Training Enablers (MTG, UJTL)
- Organization (SJFHQ, training standards)
- Facilities (JNTC)
- Materiel (SAGIS)

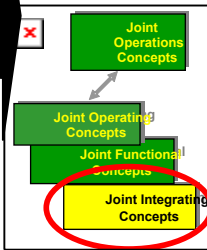


At the end of the day -- a “Capability Based Process”

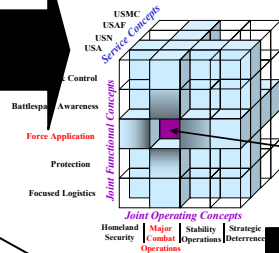
Policy

Strategic
Planning
Guidance/
National
Military
Strategy

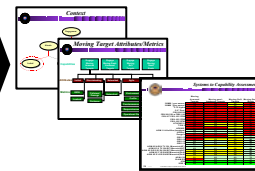
Concepts



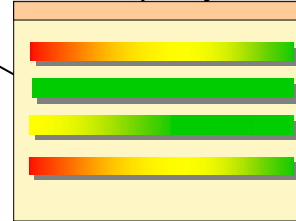
Capability Assessment



Functional Area Functional Needs Functional Solution



ATL Led Capability Road Map



- Top-down guidance
- Joint Concepts enable the warfighter to shape and influence the trade space debate
- Provides the “trade space” discussion at the right level

With an End State:
a fielded Capability within a
future operational context

Process that decomposes
from policy guidance to
warfighting concepts to
capability areas, to material
and non material potential
solutions



Questions ?

COL Hugo Keyner
Chief, Capabilities and Acquisition Division
Joint Staff J-8
703-614-9760
(keynerh@js.pentagon.mil)



Evolution of the JROC

Joint Requirements Panel (JRP)

- Services
- DIA Representative (Intelligence Supportability)

8 Functional Capabilities Board (FCB)s

- Services
- Combatant Commanders
- OSD (P)
- USD (AT&L)
- USD (I)
- USecAF (Space)
- ASD NII/ DOD CIO
- D, PA&E
- DIA Representative (Intelligence Supportability)
- Mission Requirements Board Executive Secretary

Joint Requirements Board (JRB)

Joint Capabilities Board (JCB)

Joint Requirements Oversight Council (JROC)

Joint Requirements Oversight Council (JROC)

ACAT 1 only

All ACATs UNCLASSIFIED

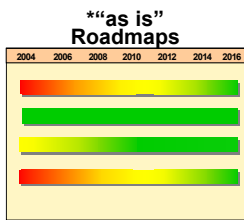


Functional Capabilities Board

Responsibilities:

- **Ensure new capabilities are conceived and developed in joint warfighting context**
- **Ensure JCIDS proposals are consistent with integrated joint force**
- **Organize, analyze & prioritize capabilities proposals**
- **Oversee development and update of Functional Concept(s)**
- **Ensure integrated architectures reflect the functional area**
- **Leverage full resources of the Department**

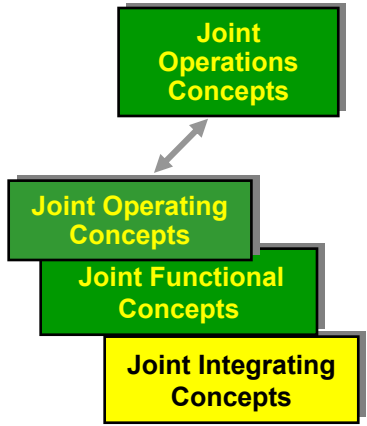
DAB Capability Area Reviews (CARs)





Concepts to Capabilities

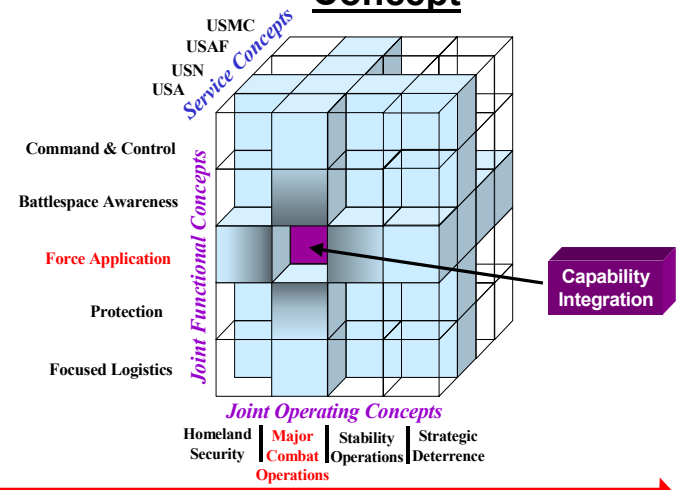
Concepts



Potential Capability Improvement Areas

- OA 5
- Integrated Priority List
- Joint Quarterly Readiness Review
- Lessons Learned
- Service Programs
- Strategic Planning Guidance
- Range of Military Operations
- Joint Experimentation
- ACTDs

Joint Integrating Concept

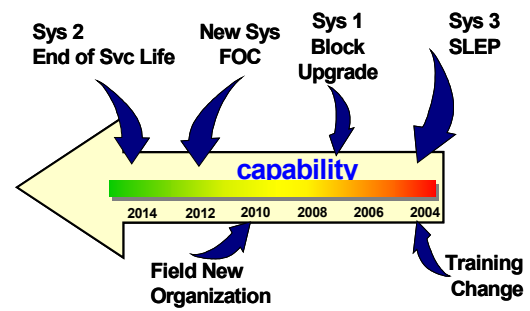


SecDef

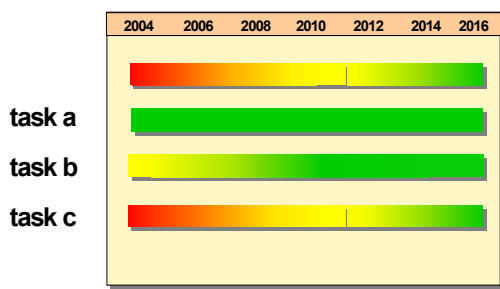
Joint Chiefs of Staff

Joint Requirements Oversight Council

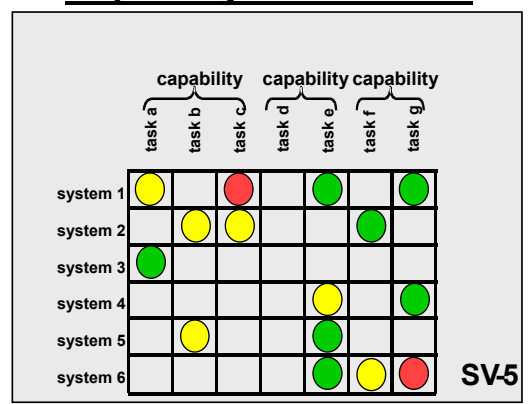
Resource Strategy



Capability Roadmap



Capability Assessment



Secretary of Defense

Joint Staff and OSD

Joint Requirements Oversight Council



JCIDS Staffing/Approval Process

